## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2005/003580

			PCT/JP2	005/003580
A. CLASSIFIC Int.Cl?	ATION OF SUBJECT MATTER F16C17/10, 33/14, H02K5/167, 7	7/08//Gl1B19/2	20	
According to Inte	ernational Patent Classification (IPC) or to both national	classification and IPC		
B. FIELDS SE.				
Int.Cl <sup>7</sup>	entation searched (classification system followed by clas F16C17/10, 33/14, H02K5/167,	7/08//G11B19/2		
Jitsuyo Kokai Ji	tsuyo Shinan Koho 1971-2005 Tor	suyo Shinan Toro oku Jitsuyo Shii	oku Koho nan Koho	1996-2005 1994-2005
Electronic data b	ase consulted during the international search (name of da	ita base and, where pract	icable, search ter	ms used)
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT		<u></u>	
Category*	Citation of document, with indication, where app	ropriate, of the relevant	passages	Relevant to claim No.
X Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 102459/1988 (Laid-open No. 24123/1990) (NSK Ltd.), 16 February, 1990 (16.02.90), Page 6, line 12 to page 10, line 10; Figs. 1 to 2 (Family: none)		1 2-5	
Y	JP 2003-239951 A (NTN Corp.), 27 August, 2003 (27.08.03), Par. Nos. [0001], [0024] to [ & US 2003/0169952 A1			2-3,5
× Further de	ocuments are listed in the continuation of Box C.	See patent famil	y annex.	,
* Special categories of cited documents:  A document defining the general state of the art which is not considered to be of particular relevance  E earlier application or patent but published on or after the international filing date  L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  C document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  21 April, 2005 (21.04.05)		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention.  "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "E" document member of the same patent family  Date of mailing of the international search report  17 May, 2005 (17.05.05)		
		Authorized officer		
Japane	Name and mailing address of the ISA/ Japanese Patent Office			
Facsimile No		Telephone No.	ŁTT.	ACHMENT E _

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ategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 11-190344 A (NTN Corp.), 13 July, 1999 (13.07.99), Par. Nos. [0021] to [0026]; Figs. 5 to 6 (Family: none)	4-5
A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 179510/1981(Laid-open No. 84421/1983)	1-2
	(NSK Ltd.), 08 June, 1983 (08.06.83), Page 9, line 15 to page 12, line 19; Fig. 5 (Family: none)	
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